INNEHÅLL.

Sid.

BÖCHER, TYGE W., Meiosis in *Anemone apennina* with special reference to chiasma localisation 221

BÖÖK, J. A., Cytological studies in *Triton* 177

DAHLBERG, GUNNAR and DIAMANT, MARCUS, Inheritance of pneumatisation of the mastoid bone 441

GUSTAFSSON, Å. and SCHRÖDERHEIM, J., Ascorbic acid in *Rosa* hybrids 489

HÅKANSSON, ARTUR, Zytologische Studien an monosomischen Typen von *Godetia Whitneyi*. (With a Summary in English.) 129

JOHNSSON, HELGE, Interspecific hybridization within the genus *Betula* 163

—, The triploid progeny of the cross diploid × tetraploid *Populus tremula* .. 411

LAMM, ROBERT, Cytogenetic studies in *Solanum*, sect. *Tuberarium* 1

LAMPRECHT, HERBERT, Die Koppelungsgruppe *N — Z — Fa — Td* von *Pisum*. (With a Summary in English.) 347

LEVAN, ALBERT, A haploid sugar beet after colchicine treatment 399

MÜNTZING, ARNE, Hybrid vigour in crosses between pure lines of *Galeopsis Tetrahit* 391

—, Cytological studies of extra fragment chromosomes in rye. II. Transmission and multiplication of standard fragments and iso-fragments .. 457

RASMUSON, BERTIL and ESSÉN, MARIANNE, A crossing-over decrease caused by a new sex-linked lethal 478

WICKBOM, TORSTEN, Cytological studies on Dipnoi, Urodela, Anura, and *Emys* 241

WIDMARK, ERIK M. P., The theory of evolution from a biochemical point of view 383

ABSTRACTS — KURZE MITTEILUNGEN.

BÖÖK, J. A., Equilibrium of trivalents at metaphase 499

EHRENBERG, LARS, The shape of the spindle at metaphase is conditioned by the shape of its molecules 240

JOHNSSON, HELGE, Chromosome numbers of the progeny from the cross triploid × tetraploid *Populus tremula* 500

SUOMALAINEN, ESKO, Vermutete Triploidie bei der parthenogenetischen Gewächshausschabe, *Pycnoscelus surinamensis* L. (Blattaria). 501

TEDIN, OLOF, Small samples of a Poisson series 238

ÖSTERGREN, G., Equilibrium of trivalents and the mechanism of chromosome movements 498